



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

Page 1

Purchase Order No. Rev. Date
62054 6/12/2008

Supplier No. 798322	Solicitation No. 56711	Delivery Date As Specified	FOB Point Destination	Invoice Terms
S DEPT OF WATER RESOURCES h T 4300 WEST CAPITAL AVE i o WEST SACRAMENTO, CA 95691 p Attn: JIM PEARSON 916 653-9051		C WATER RESOURCES A-36 h T ATTN: ACCOUNTS PAYABLE a T PO BOX 942836 r o SACRAMENTO CA 94236-001 g e		
Agency Billing 81000	Agency Purchase Estimate 6000013474	Purchase Estimate 66946	Revision 0	
Agency Contact BILL MAHON		Phone 916-653-6167	Date Received	

PAPE' MACHINERY, INC.
2850 EL CENTRO ROAD
SACRAMENTO, CA 95833
Attn: DAVID CONGER

Phone: 916-922-7181

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p>THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT:</p> <p>www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</p> <p>THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:</p> <p>PRIME CONTRACTOR: NS</p> <p>APPLICATION OF DVBE INCENTIVE RESULTED IN AWARD: NO</p>						
1	1	EA	3805-380-0403-3	LOADER FRONT END Backhoe Loader Tractor and Optional Equipment (18" wide heavy-duty type backhoe bucket) as described and meeting the requirements of attached specification #2420-08BS-002 of five (5) pages.	90,090.0000	90,090.00
<p><u>DELIVERY LOCATION</u> 4300 West Capital Ave. West Sacramento, CA 95691</p> <p>Brand: <u>JOHN DEERE</u> Model: <u>410J</u></p>						
2	1	EA	3805-380-0403-3	LOADER FRONT END Backhoe Loader Tractor and Optional Equipment (18" wide heavy-duty type backhoe bucket) as described and meeting the requirements of attached specification #2420-08BS-002 of five (5) pages.	90,090.0000	90,090.00
<p><u>DELIVERY LOCATION</u> 6908 Colusa Highway Sutter, CA 95982-0040</p> <p>Brand: <u>JOHN DEERE</u> Model: <u>410J</u></p>						

Sales and/or use tax to be extra unless noted above

Buyer TIM PATTON	Phone 916-375-4412	BOC Number
---------------------	-----------------------	------------

Department of General Services - Office of Procurement

Form GSOP 2-PIN (04/98)

Page 2 (Last)

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
3	1	EA	3805-380-0403-3	LOADER FRONT END	90,090.0000	90,090.00
Backhoe Loader Tractor and Optional Equipment (36" wide heavy-duty type backhoe bucket) as described and meeting the requirements of attached specification #2420-08BS-002 of five (5) pages.						
DELIVERY LOCATION						
6908 Colusa Highway						
Sutter, CA 95982-0040						
Brand: <u>JOHN DEERE</u>						
Model: <u>410J</u>						
<u>PO Miscellaneous Charges and Discounts</u>						<u>Dollar Value</u>
BATCH ADJUSTMENT (CHARGE)						21.00
Total Value:						270,291.00
ATTACHMENTS						
THE FOLLOWING ATTACHED DOCUMENTS ARE PART OF THIS PURCHASE ORDER:						
1. SPECIFICATION #2420-08BS-002						
2. ADMINISTRATIVE REQUIREMENTS #66946AR						
3. QUESTIONNAIRE #66946QN						
<u>CALIFORNIA TIRE FEE ACT</u>						
A fee of \$1.75 per tire will be added to the purchase order to cover the costs imposed by the California Tire Fee Act (California Public Resources Code Section 42885 et. seq.).						
<u>FOB DESTINATION</u>						
For the purpose of this purchase order, only F.O.B. Destination will be accepted.						
This Purchase order has been registered into the state contract and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is 36600608312380.						

1 SCOPE

This document establishes the requirements and specifications for a backhoe loader tractor (unit). The unit shall be a front wheel steering, four-wheel drive tractor equipped with rollover protective structure (ROPS) and falling object protective structure (FOPS) system, a loader bucket and a backhoe. The unit shall be used by Department of Water Resources (DWR) Division of Flood Management, Sutter Maintenance Yard.

2 APPLICABLE SPECIFICATIONS / STANDARDS / CODES

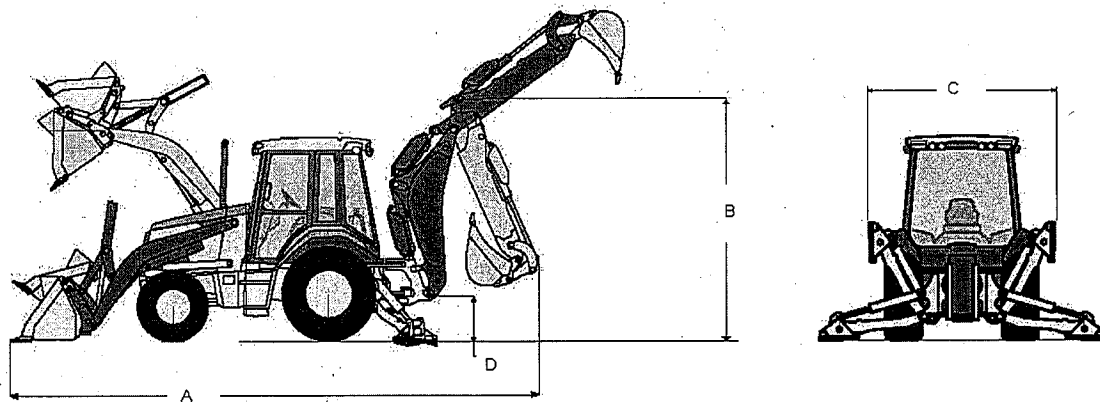
- 2.1 Specifications and standards referenced in this document in effect on the opening of the invitation for bid, form a part of this specification.
- 2.2 Bidder shall comply with requirements of following standards and codes as they apply:
 - 2.2.1 United States Code of Federal Regulations, Title 40, Part 89 (40 CFR Part 89).
 - 2.2.2 California Codes Vehicle Code.
 - 2.2.3 Environmental Protection Agency and/or California Air Resources Board.
 - 2.2.4 Society of Automotive Engineers (SAE) and/or International standards Organization (ISO).

3 REQUIREMENTS

3.1 SAE Operating Weight

- 3.1.1 The unit equipped with all required equipment shall be greater than or equal to 18,750 pounds.

3.2 Dimensions



Line drawings are for illustrative purpose only, and may not be exact representation of the unit

A. Maximum overall length (transport)	24' 6"
B. Maximum overall height (transport)	13'
C. Maximum overall width	8'
D. Minimum ground clearance	12"

3.3 Tractor

3.3.1 Engine/Powerplant

3.3.1.1 Shall be diesel fueled with a minimum of 95 net brake horsepower.

3.3.2 Operator's Compartment/Cab

3.3.2.1 Shall be fully enclosed and comply with ROPS/FOPS system. Protection shall include but not limit to:

➤ Safety glass windows.

3.3.2.2 Shall be equipped with windshield wipers and washer for both windows.

3.3.2.3 Shall be equipped with a lockable entrance doors.

3.3.2.4 Shall be equipped with a cooling and heating air-conditioning system.

3.3.2.5 Shall be equipped with an adjustable/suspension operator's seat and a 3-inch wide seat belt.

3.3.2.6 Control pattern shall be "two-stick" style with the John Deere pattern.

3.3.3 Performance

3.3.3.1 Travel speed for forward shall be greater than or equal to 23 mph.

3.3.3.2 Ride Control can be either automatic/speed dependent or operator controlled for extended roading and roading safety on unimproved roads.

3.4 Loader Bucket Assembly

3.4.1 Shall be hydraulic driven multi-purpose (4-in-1) type bucket, equipped with but not be limited to the following:

3.4.1.1 SAE rated greater than or equal to 1.2 yd³ capacity.

3.4.1.2 Removable forks that are attached to the top edge (lip) of the bucket for handling palletized materials.

3.4.2 Bucket width shall be less than or equal to 102".

3.4.3 Performance

3.4.3.1 Maximum dump height at maximum lift and maximum dump angle shall be greater than or equal to 8'6".

3.4.3.2 Maximum dump reach (fully raised) at maximum dump angle shall be greater than or equal to 25".

3.4.3.3 Lift capacity at maximum height shall be greater than or equal to 6,500 lbs.

3.4.3.4 Breakout force –shall be greater than or equal to 9,600 lbs.

3.4.3.5 Bucket rollback at ground level shall be greater than or equal to 40°.

3.4.3.6 Maximum dump angle at full height shall be greater than or equal to 44°.

3.4.3.7 Minimum digging depth below ground level – bucket flat shall be greater than or equal to 4".

3.5 Backhoe Assembly

3.5.1 Shall be hydraulic driven, center mounted, and an integral part of the tractor.

- 3.5.2** Shall be equipped with a 24" wide heavy-duty rock bucket having an SAE J296 rated struck capacity of greater than or equal to 7.0 ft³.
- 3.5.2.1** The bucket attachment shall be compatible with the quick coupler.
- 3.5.3** Shall be equipped with an extendable dipperstick for an additional 3'5" minimum of extended reach throughout its range.
 - 3.5.3.1** A hydraulic circuit shall be installed on the extendable dipperstick for use with auxiliary hydraulic equipment (i.e. auger, hammer, etc.).
- 3.5.4** Shall be equipped with wear guard to the boom where the bucket comes in contact.
- 3.5.5** Shall be equipped with a mechanically lock into a transport/non-use position.
- 3.5.6** Shall be equipped with the manufacturer's standard manual quick coupling system (Wain Roy style or other compatible with Wain Roy coupling system).
 - 3.5.6.1** A quick coupling attachment shall be installed on each size bucket and each implement being supplied for backhoe use.
 - 3.5.6.2** Two sets of spare pins shall be supplied.
- 3.5.7** The backhoe dipperstick shall be equipped with a hydraulically operated thumb for the standard 24" bucket.
 - 3.5.7.1** The thumb shall be operational upon receipt.
 - 3.5.7.2** The thumb shall be remained on the dipperstick when the bucket is changed or removed.
 - 3.5.7.3** The thumb shall be capable of being stowed out of the way when other implements are used.
 - 3.5.7.4** The thumb shall be capable of a minimum of 105° of rotation.
- 3.5.8** In addition, a 12" wide heavy-duty type backhoe bucket shall be supplied.
 - 3.5.8.1** The 12" digging bucket shall have a minimum SAE J296 rated struck capacity of 3.3 ft³.
 - 3.5.8.2** The bucket shall be equipped with a minimum of three standard utility type bolt-on or pin-on teeth.
 - 3.5.8.3** The bucket attachment shall be compatible with the quick coupler.

3.5.9 Performance

Requirements	Retracted Position	Extended Position
Maximum digging depth	≥15'6"	≥19'6"
Reach from the swing pivot	≥19'6"	≥23'6"
Swing arc	≥180°	≥180°
Loading height	≥11'	≥13'6"
Loading reach	≥6'4"	≥9'6"
Digging force (bucket)	≥14,700 lbs	≥14,700 lbs
Digging force (dipperstick)	≥8,400 lbs	≥5,900 lbs
Rated boom capacity at ground level (SAE J31)	≥2,600 lbs	≥2,000 lbs
Rated dipperstick lift capacity at 10 ft. above ground level (SAE J31)	≥4,800 lbs	≥3,300 lbs

3.6 Ancillary equipment

3.6.1 Shall be equipped but not be limited to the following:

3.6.1.1 Vandal protection package shall include but not limit to:

- Engine compartment (engine hood and side panels).
- Battery compartment.
- Fuel port.

3.6.1.2 The tractor shall be equipped with front and rear wheel fenders to protect the operator from flying debris and excessive dust exposure created by the tires during machine operation and transport.

3.6.1.3 The tractor shall be equipped with right and left exterior rear view mirrors greater than or equal to 4" wide x 8" high.

3.6.1.4 Shall be equipped with tie-downs that are compatible for use with ½" welded chain during trailer transport of the tractor.

3.6.1.5 Removable (without tools) "Slow Moving Vehicle" sign.

3.6.1.6 Starting aid for cold weather start.

3.6.1.7 A 12-volt cigarette type accessory outlet power source.

3.6.1.8 Visual and auditory warning devices for monitoring critical conditions to engine and equipment operation. The devices shall be included but not be limited to:

- Low engine oil pressure.
- High engine coolant temperature.

3.7 Optional equipment

3.7.1 One 18" wide heavy-duty type backhoe bucket shall be supplied.

3.7.1.1 The 18" digging bucket shall have a minimum SAE J296 rated struck capacity of 6.0 ft³.

3.7.1.2 The bucket shall be equipped with a minimum of four standard utility type bolt-on or pin-on teeth.

3.7.1.3 The bucket attachment shall be compatible with the quick coupler.

3.7.2 One 36" wide heavy-duty type backhoe bucket shall be supplied.

3.7.2.1 The 36" digging bucket shall have a minimum SAE J296 rated struck capacity of 11.5 ft³.

3.7.2.2 The bucket shall be equipped with a minimum of six standard utility type bolt-on or pin-on teeth.

3.7.2.3 The bucket attachment shall be compatible with the quick coupler.



STATE OF CALIFORNIA
QUESTIONNAIRE
TRACTOR, BACKHOE LOADER

66946QNR1

NOTES:

The sections referred from this questionnaire are corresponded to specification 2420-08BS-002R1.doc.

The bidder shall complete the following in full and submit it with the bid.

The completed information shall be able to verify with accompanying documents (i.e. manufacturer literature).

Name of bidder: PAPÉ MACHINERY Date: 08 APR 08

Year and Make: 2008 JOHN DEERE Model: 410J

Section 3.1

What is the SAE operating weight? 20968 Pounds

Section 3.2

What is the maximum overall length? 23 FT 11 IN

What is the maximum overall height? 12 FT 10 IN

What is the maximum overall width (with blade at max angle)? FT 92 IN

What is the minimum ground clearance? 14 Inch

Section 3.3

What is the type of the engine? Diesel X Gas

What is the net brake horsepower of the engine? 98 hp

Shall the unit be equipped with a fully enclosed cab and comply with ROPS/FOPS system? Yes X No

Shall the unit be equipped with safety glass windows? Yes X No

Shall the unit be equipped with windshield wipers and washer for the front window? Yes X No

Shall the unit be equipped with a lockable entrance doors? Yes X No

Shall the unit be equipped with a cooling and heating air-conditioning system? Yes X No

Shall the unit be equipped with an adjustable operator's seat and a 3-inch wide seat belt? Yes X No

Shall the unit be equipped with "two-stick" style with the "John Deere" control pattern? Yes X No

What is the forward traveling speed? 23.2 mph

What type of the ride Control: automatic (A) or operator controlled (O)? A O X



STATE OF CALIFORNIA
ADMINISTRATIVE REQUIREMENT
TRACTOR, BACKHOE LOADER

66946AR

1. General

- 1.1. The backhoe loader tractor shall be fully functional when delivered to the location specified per this IFB.
- 1.2. One (1) complete set of filters (air, oil, water, fuel, hydraulic, etc.) shall be supplied with the unit delivered. This set of filters shall be as recommended by the manufacturer and shall be completed with the appropriate part numbers for identification.

2. Inspection

- 2.1. This order will require a two-phase inspection process. The unit shall be serviced, washed and ready for, as applicable, inspection or delivery. It is the supplier's responsibility to contact Department of Water Resources (DWR), Division of Management Services (DMS), Transportation Office (TO) for inspections at (916) 653-9051.
- 2.2. The unit shall be inspected prior to shipment to the destination on the purchase order. If corrections are needed as a result of the inspection, the corrections shall be made prior to shipment to the purchase order destination. Authorization to deliver the unit shall be granted by the DWR/DMS/TO.
- 2.3. If additional interim inspections are required, such inspection trips shall be at the expense of the supplier at \$75.00 per hour (including travel time) and all expenses (meals, lodging, and cost of transportation). Travel expenses shall be documented on State of California, Travel Expense Claim Form. This cost shall be deducted from the purchase order payment.
- 2.4. The inspection shall be conducted by the DWR/DMS/TO. These inspections shall take place at an adequate site provided by the vendor within the State of California. The inspection site shall meet all of the following criteria:
 - The site shall not be the Purchase Order delivery destination. The site shall be paved, secure and zoned for commercial use.
 - The site shall include electricity, lights, water, compressed air and a secure paved lot. The facilities shall also include lift equipment adequate to raise the units and support them on safety stands with a minimum of 12 inches of tire clearance. The supplier shall provide conditions which meet the safety standards of CAL-OSHA and Title 8 of the California Code of Regulations.
 - The adequacy of the site shall be determined by the DWR/DMS/TO. Contact the Senior Inspector of Automotive Equipment at (916) 653-9051.
 - If the facility is deemed unacceptable by DWR/DMS/TO, the vendor shall be billed for the inspection trip including wages and expenses. This cost shall be deducted from the purchase order payment.

2.5. The unit shall have a final inspection at its delivery destination shown on the Purchase Order to verify acceptability. A unit delivered to the final Purchase Order destination will be accepted only when all Purchase Order requirements have been met, any shipping damages have been corrected, and all required documents/manuals are received by the DWR/DMS/TO. A unit which is not accepted by the delivery date on the Purchase Order will be considered delivered late.

2.6. If the supplier receives notice that the unit is not acceptable, whether written or oral, the unit shipped to the Purchase Order destination shall be removed within seven (7) calendar days. If the supplier fails to remove said unit from the State's facilities within the specified period, the State may forward said unit to the supplier by common carrier at the supplier's expense and risk.

3. Vendor Qualification

3.1. The bidder shall be able to demonstrate a history and expertise in the sale/manufacturing of backhoe loader tractors and has been in business continuously for a minimum of 60 consecutive months prior to this bid. Bidders shall provide a minimum of three (3) references that are currently operating the proposed backhoe loader tractor including contact numbers and names with the bid or 5 days of request by the State.

3.2. All bidders/vendors shall be either the factory or factory authorized distributors, and offer factory or factory authorized service for the products they are offering. Factory Authorization Letter shall be submitted with the bid or within 5 days of request by the State.

4. Documentations

4.1. For California registered business: Shall provide the original dealer's "Report of Sale" at the time of delivery of backhoe loader tractor covered by these specifications.

4.2. For Non California registered business: In lieu of a dealer's "Report of Sale, the supplier shall provide a "Manufacturer's Statement of Origin" and original "Bill of Sale" on the vendor's letterhead.

4.3. All documentation supplied for registration shall contain the following physical and post office box addresses:

State Department Water Resources
1416 9th Street
Sacramento, CA 95814

State Department Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

4.4. Shall provide an original weight certificate from a California Weigh Master at the time of delivery of the unit.

4.5. All required documentation shall be sent to one of the above addresses by the time of delivery.

5. MANUALS

- 5.1. Shall provide at least one (1) set of standard operator's manual, complete lubrication instructions, parts books and shop repair manuals (complete with electrical and hydraulic schematics) specific to this backhoe loader tractor at time of delivery.
- 5.2. Shall provide service part lists, identifying major components by manufacturer's part number and/or vendor's part number at time of delivery.
- 5.3. All manuals and instructions shall be in the English language.

6. Training

- 6.1. Shall be provided by the vendor's representative on how to operate and maintain this backhoe loader tractor for a minimum of two (2) State representatives.

7. Warranty and Service

- 7.1. The backhoe loader tractor including modifications (if any) and any optional equipment or accessories shall be fully warranted to be free from defects in materials and workmanship for a minimum of one (1) year or 1000 engine hours whichever occurs first, from the date the State puts the unit into service. The state will notify the supplier by mail of the in-service date and keep a record of the in-service date.
- 7.2. A copy of warranty shall be provided with the backhoe loader tractor at the time of deliver
- 7.3. Services and/or parts shall be provided within 72 hours of notification from the State.

Section 3.4

Shall the unit be equipped with a hydraulic driven multi-purpose (4-in-1) type bucket? Yes X No

What is the rated SAE capacity for the driven multi-purpose (4-in-1) type bucket? 1.32 yd³

Shall the unit be equipped with removable forks that are attached to the top edge (lip) of the bucket for handling palletized materials? Yes X No

What is the bucket width? 92 Inch

What is the dump height at maximum lift and maximum dump angle? 8 FT 7 IN

What is the maximum dump reach (fully raised) at maximum dump angle? 35.5" Inch

What is the lift capacity at maximum height? 6600 Pounds

What is the breakout force? 9650 Pounds

What is the bucket rollback at ground level? 40° Degree

What is the maximum dump angle at full height? 45° Degree

What is the minimum digging depth below ground level – bucket flat? 7.2" Inch

Section 3.5

Shall the unit be equipped with a backhoe that is hydraulic driven (HD), center mounted (CM), and an integral part (IP) of the tractor? HD YES
CM YES
IP YES

Shall the unit be equipped with a 24" wide heavy-duty rock bucket? Yes X No

What is the rated SAE J296 struck capacity? 7.2 ft³

Shall the unit equipped with a bucket attachment that is compatible with the quick coupler? Yes X No

Shall the unit be equipped with an extendable dipperstick? Yes X No

What is the minimum of extended reach throughout its range? 3 FT 9 IN

Shall the unit be equipped with a hydraulic circuit installed on the extendable dipperstick for use with auxiliary hydraulic equipment (i.e. auger, hammer, etc.)? Yes X No

Shall the unit be equipped with wear guard to the boom where the bucket comes in contact? Yes X No

Shall the unit be equipped with a mechanically lock into a transport/non-use position? Yes X No

Section 3.5.6

Shall the unit be equipped with the manufacturer's standard manual quick coupling system (Wain Roy style or other compatible with Wain Roy Coupling system)?

Yes X No

Shall a quick coupling attachment be installed on each size bucket and each implement being supplied for backhoe use?

Yes X No

Shall Two sets of spare pins be supplied?

Yes X No

Section 3.5.7

Shall the unit be equipped with a hydraulically operated thumb with backhoe dipperstick standard 24" bucket?

Yes X No

Shall the thumb be remained on the dipperstick when the bucket is changed or removed?

Yes X No

Shall the thumb be capable of being stowed out of the way when other implements are used?

Yes X No

What is the rotation of the thumb?

140° Degree

Section 3.5.8

Shall the unit be supplied with a 12" wide heavy-duty type backhoe bucket?

Yes X No

What is the SAE J296 rated struck capacity of the 12" digging bucket?

3.3 ft³

Shall be equipped with a minimum of three standard utility type bolt-on or pin-on teeth for the bucket?

Yes X No

Shall the bucket attachment be compatible with the quick coupler?

Yes X No

Section 3.5.9

What is maximum digging depth at retracted position (RP) and extended position (EP)?

RP 6 FT 1 IN

EP 20 FT 0 IN

What is the reach from the swing pivot?

RP 19 FT 11 IN

EP 23 FT 8 IN

What is the swing arc?

RP 180° Degree

EP 180° Degree

What is the loading height?

RP 12 FT 8 IN

EP 15 FT 6 IN

What is the loading reach?

RP 23 FT 7 IN

EP 27 FT 4 IN

What is the digging force (bucket)?

RP 14801 Pounds

EP 14801 Pounds

What is the digging force (dipperstick)?

RP 8741 Pounds

EP 10200 Pounds

What is the rated boom capacity at ground level (SAE J31)?

RP 2680 Pounds

EP 2031 Pounds

What is the rated dipperstick lift capacity at 10 ft. above ground level (SAE J31)?

RP 4872 Pounds

EP 3398 Pounds

Section 3.6

Shall the unit be equipped with engine compartment (engine hood and side panels) vandal protection?

Yes X No

Shall be equipped with battery compartment vandal protection?

Yes X No

Shall be equipped with fuel port vandal protection?

Yes X No

Please list additional vandal protection items!

ANTI-THEFT CODE IN MONITOR (MUST
USE PASSWORD TO UNLOCK)

Shall the unit be equipped with front and rear wheel fenders?

Yes X No

Shall the unit be equipped with right and left exterior rear view mirrors greater than or equal to 4" wide x 8" high.?

Yes X No

Shall the unit be equipped with tie-downs that are compatible for use with 1/2" welded chain during trailer transport of the tractor?

Yes X No

Shall the unit be equipped a removable (without tools) "Slow Moving Vehicle" sign?

Yes X No

Shall the unit be equipped a starting aid for cold weather start?

Yes X No

Shall be equipped with a 12-volt cigarette type accessory outlet power source?

Yes X No

Is there a visual low engine oil pressure warning device?

Yes X No

Is there an audio low engine oil pressure warning device?

Yes X No

Is there a visual high engine coolant temperature warning device?

Yes X No

Is there an audio high engine coolant temperature warning device?

Yes X No

Is there additional visual and audio warning device? Please list!

Yes X No

MONITOR PANEL